

Figure 1. Definition of terms for a 2^{3/4}-D solid.

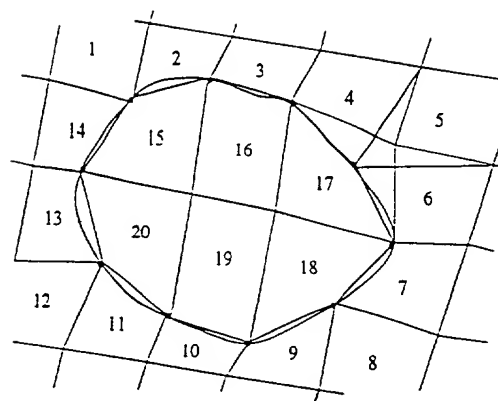


Figure 4. The base surface mesh is completely smoothed to the loop.

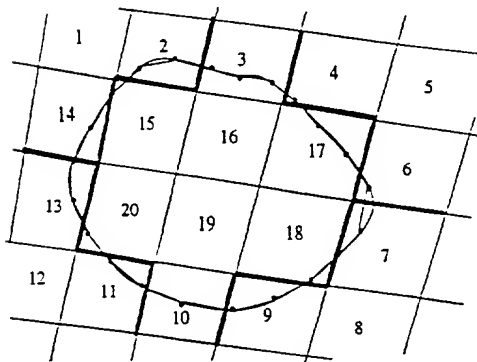


Figure 2. An example graft surface with underlying structured mesh from the base surface.

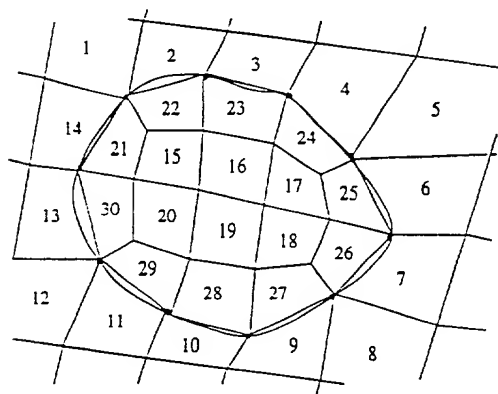


Figure 5. A pillow of elements is inserted directly inside the loops to improve element quality.

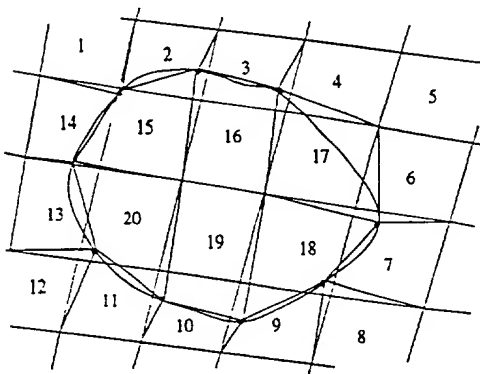


Figure 3. The nodes of the intersecting edges are moved to the loop.

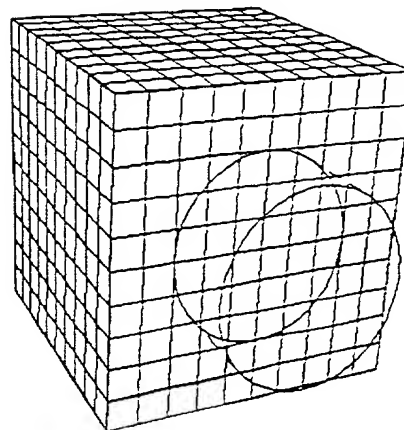


Figure 6. Mapped trunk mesh with cylinder branch before grafting.

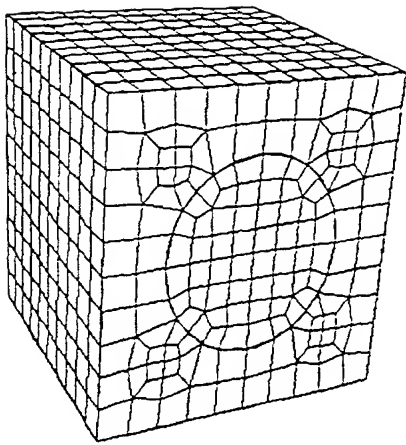


Figure 7. Cut away view of the base surface after grafting.

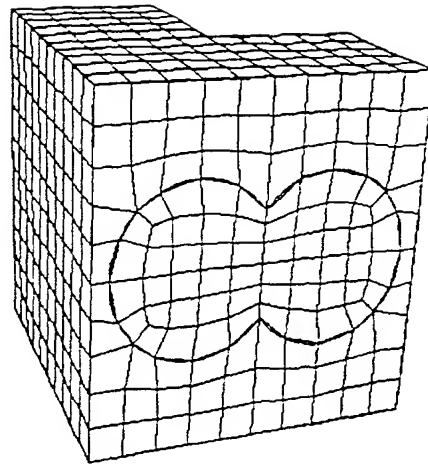


Figure 10. Cut away view of the base surface after grafting.

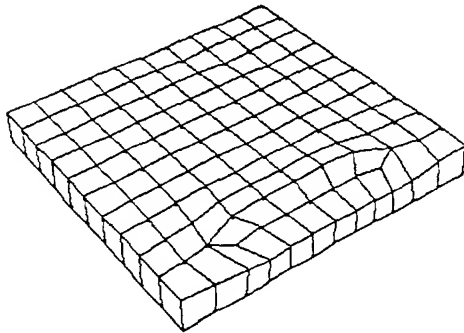


Figure 8. A slice of the volume of Figure 7 to show the internal hexes.

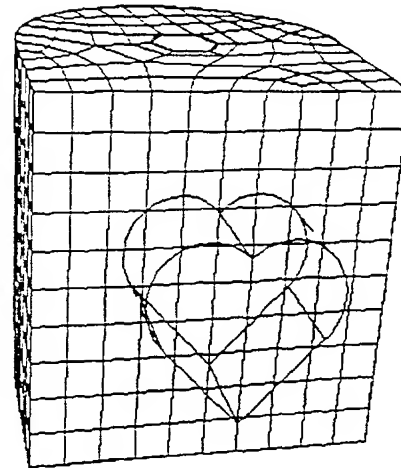


Figure 11. Swept volume with through hole and heart-shaped branch before grafting.

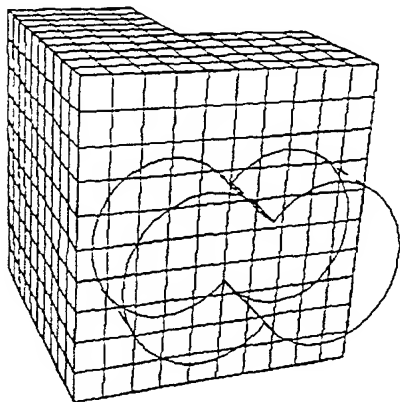


Figure 9. Submapped trunk with figure eight branch before grafting.

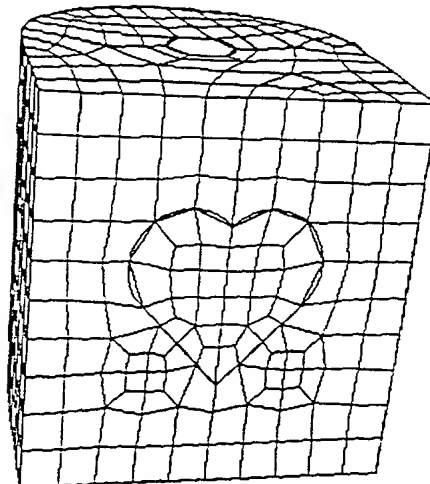


Figure 12. Cut away view of base surface after grafting.